

CLIPPEDIMAGE= JP408281968A

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TITLE: DISCHARGE UNIT, INK JET CARTRIDGE USING THE SAME UNIT,  
INK JET PRINTER,  
METHOD THEREFOR AND PRINTED MATTER

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ABSTRACT:

PURPOSE: To print an image with high quality level and high reliability by preventing the insoluble or aggregate colorant in ink in a printer such as a discharge port forming surface, a cap or a pump without oozing between different colors with excellent water resistance of a printed image and effectively preventing the discharge failure at the port of a discharge unit.

CONSTITUTION: When a sheet 10 is printed by using an ink

discharge head 1 and a liquid discharge head 2 to improve the printability to discharge the liquid for improving the printability to contain substance for dye insoluble and aggregate' in ink, separate wiping members 16, 17 or caps 12, 13, suction pumps 14, 15 are separately provided in recovering units 11 for the heads for the ink and printability improving liquid. Ink receiver and liquid receiver in the case of preliminarily discharging are separately provided to prevent the contact or mixture of the ink with the printability improving liquid in the cases of capping, wiping, suction recovery or prelimiarily discharging.

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